

Title (en)

Light emitting device and method of driving the same

Title (de)

Lichtemittierende Vorrichtung und Ansteuerverfahren dafür

Title (fr)

Dispositif électroluminescent et son procédé de commande

Publication

EP 1850314 B1 20130918 (EN)

Application

EP 06021071 A 20061006

Priority

- KR 20060038704 A 20060428
- KR 20060038711 A 20060428

Abstract (en)

[origin: EP1850314A2] The present invention relates to a light emitting device for preventing a cross-talk phenomenon and a pectinated pattern. The light emitting device includes data lines, scan lines, pixels and a discharging circuit. The data lines are disposed in a first direction, and the scan lines are disposed in a second direction different from the first direction. The pixels are formed in cross areas of the data lines and the scan lines. The discharging circuit discharges at least one data line to a first discharge voltage during a first sub-discharging time of a discharging time, and changes the first discharge voltage into a second discharge voltage during a second sub-discharging time of the discharging time. The light emitting device discharges data lines to discharge voltages corresponding to cathode voltage of pixels, and so cross-talk phenomenon and pectinated pattern is not occurred in the light emitting device.

IPC 8 full level

G09G 3/20 (2006.01); **G09G 3/30** (2006.01); **G09G 3/32** (2006.01); **H01L 51/50** (2006.01)

CPC (source: EP US)

G09G 3/3216 (2013.01 - EP US); **G09G 3/3283** (2013.01 - EP US); **G09G 2310/0248** (2013.01 - EP US); **G09G 2320/0209** (2013.01 - EP US); **G09G 2320/0223** (2013.01 - EP US); **G09G 2320/0233** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1850314 A2 20071031; **EP 1850314 A3 20091216**; **EP 1850314 B1 20130918**; JP 2007298937 A 20071115; JP 4988300 B2 20120801; US 2007252160 A1 20071101; US 2011141093 A1 20110616; US 7898508 B2 20110301; US 8416160 B2 20130409

DOCDB simple family (application)

EP 06021071 A 20061006; JP 2006286368 A 20061020; US 201113020320 A 20110203; US 54314106 A 20061005